

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2002, 07:08:00 ; Search time 51.7 Seconds

(without alignments)
 7369.005 Million cell updates/sec

Perfect score: US-08-711-417C-165

Sequence: 1 ATGGATGCTGACGAGGGTCA.....ACCGCTTCCACATGAGCTAA 1551

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued_Patents_NA:*

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1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfile1.seq:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	1551	100.0	1551	4	US-08-711-417C-165		Sequence 165, App
2	1386	89.4	1386	1	US-08-465-590-3		Sequence 3, Appl
3	1386	89.4	1386	4	US-08-283-300A-2		Sequence 2, Appl
4	1386	89.4	1386	4	US-08-711-417C-3		Sequence 3, Appl
5	1386	89.4	1386	5	PCT-US95-03345-2		Sequence 2, Appl
6	1382	89.1	1611	5	PCT-US93-08743-3		Sequence 3, Appl
7	1174.8	75.7	2049	1	US-08-465-590-5		Sequence 5, Appl
8	1174.8	75.7	2049	4	US-08-283-300A-4		Sequence 4, Appl
9	1174.8	75.7	2049	5	PCT-US95-03345-4		Sequence 5, Appl
10	1174.8	75.7	2049	4	US-08-711-417C-5		Sequence 4, Appl
11	868	56.0	1004	1	US-08-465-590-8		Sequence 8, Appl
12	868	56.0	1004	4	US-08-283-300A-7		Sequence 7, Appl
13	868	56.0	1004	4	US-08-711-417C-8		Sequence 8, Appl
14	868	56.0	1004	5	PCT-US95-09345-7		Sequence 7, Appl
15	813.2	52.4	1788	1	US-08-465-590-4		Sequence 2, Appl
16	813.2	52.4	1788	4	US-08-283-300A-3		Sequence 1, Appl
17	813.2	52.4	1788	4	US-08-711-417C-4		Sequence 2, Appl
18	813.2	52.4	1788	5	PCT-US95-09345-3		Sequence 2, Appl
19	813.2	52.4	1788	5	PCT-US93-08743-2		Sequence 2, Appl
20	69.4	44.4	1296	1	US-08-465-590-4		Sequence 1, Appl
21	69.4	44.4	1296	4	US-08-283-300A-3		Sequence 4, Appl
22	69.4	44.4	1296	4	US-08-711-417C-4		Sequence 3, Appl
23	69.4	44.4	1296	5	PCT-US95-09345-6		Sequence 4, Appl
24	577	37.2	1170	1	US-08-465-590-6		Sequence 3, Appl
25	577	37.2	1170	4	US-08-283-300A-5		Sequence 6, Appl
26	577	37.2	1170	4	US-08-711-417C-6		Sequence 5, Appl
27	577	37.2	1170	5	PCT-US95-09345-5		Sequence 5, Appl

28 458.2 29.5 1128 1 US-08-465-590-7
 29 458.2 29.5 1128 4 US-08-465-590-6
 30 458.2 29.5 1128 4 US-08-711-417C-6
 31 458.2 29.5 1128 5 PCT-US95-09345-6
 32 81 5.2 3777 3 US-09-121-321-15
 33 81 5.2 3777 4 US-08-283-300A-15
 34 74.4 4.8 3536 3 US-08-465-590-3
 35 74.4 4.8 3720 1 US-08-074-967-1
 36 74.4 4.8 3720 2 US-08-553-541B-1
 37 74.4 4.8 3720 4 US-09-268-202-1
 38 74.4 4.8 3720 5 PCT-US94-06669-1
 C 39 73.4 4.7 563 4 US-09-385-982-43
 40 71.6 4.6 1892 3 US-09-933-750C-66
 42 71.6 4.6 2680 4 US-09-063-035-1
 43 70 4.5 1309 2 US-08-933-750C-63
 44 70 4.5 1309 3 US-09-234-613-03
 45 65.8 4.2 2031 2 US-08-933-750C-53

ALIGNMENTS

RESULT 1
 US-08-711-417C-165
 ; Sequence 165, Application US/08711417C
 ; Patent No. 6228611
 ; GENERAL INFORMATION:
 ; APPLICANT: Georgopoulos, Katerina A.
 ; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE
 ; NUMBER OF SEQUENCES: 202
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: FASTSEQ for Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/711,417C
 ; FILING DATE: 05-Sep-1996
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/238,212
 ; FILING DATE: 02-MAY-1994
 ; APPLICATION NUMBER: 08/121,438
 ; FILING DATE: 14-SEP-1993
 ; APPLICATION NUMBER: 0/946,233
 ; FILING DATE: 14-SEP-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Louis P.
 ; REGISTRATION NUMBER: 35,965
 ; REFERENCE/DOCKET NUMBER: 10287/007001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-5070
 ; TELEFAX: 617/542-8906
 ; TELEX: 260154
 ; INFORMATION FOR SEQ ID NO: 165:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1551 base Pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: Coding Sequence
 ; LOCATION: 1...1548
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 165:
 ; US-08-711-417C-165

115-08-711-417c-165.rni

Query Match 100.0%; Score 1551; DB 4; Length 1551;
 Best Local Similarity 100.0%; Pred. No. 0;
 Mismatches 0; Conservative 0; Indels 0; Gaps 0;
 Matches 1551; Local Similarity 100.0%; Pred. No. 0;
 Mismatches 0; Conservative 0; Indels 0; Gaps 0;
 Matches 1551; Local Similarity 100.0%; Pred. No. 0;
 Mismatches 0; Conservative 0; Indels 0; Gaps 0;
 / 1 ATGGTGGTCAAGATGCTTTCATCAGGGAAAGGCCCTGTAA 60
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 121 TCGGGAGGAGCAGCAAACCTCCAAAGATGACAGAGTCGTTAAAGTAGAG 180
 121 TCGGGAGGAGCAGCAAACCTCCAAAGATGACAGAGTCGTTAAAGTAGAG 180
 181 ACTCAGAGTGTAGAAGGAATGGGAGAATGATGGGAAATGTTGGGAG 240
 181 ACTCAGAGTGTAGAAGGAATGGGAGAATGATGGGAAATGTTGGGAG 240
 241 GATTACAAATGTTGTAGCCTGGAGAAGAAATGATGGCTCCCAAGGGAAAGGC 300
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 301 AGCTCGCTTGGGGAGTTGGGATTGGCACTCTAACTAAAGTGAT 360
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 361 ATCTGGGATCATTTGCAATGGCTCATGGTTCACGGAAACTAAGTGAT 420
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 301 AGCTCGCTTGGGGAGTTGGGATTTCGACTCTAACTAAAGTGAT 360
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 421 GGAGACGGCCCTTCAGTCGAATCAGTCGAATCAGTCGAATCAGTCGAACCTG 480
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 721 AAAGAGAAACTAGCAAGTAAACTTGGAAAGACATGGCCATTCAAGTAGGAGAAG 780
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 781 TCTCTCGTCTGGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG 840
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 901 CTGGGGCCGAGTCCCTGCGCCCTGGTCAAGTCAGTCAAGTCAAGTCAAGTCAAG 960
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 Db 1021 CGCGTATCAGCCGATGTTACCGCTGACAGCCTGGCTGGGACCCCGGGCTCAAC 1080
 QY 1081 CACTGGGCCAGGAAAGGCCCTGTAAAGCCCAAGTGGTGT 1140
 Db 1081 CACTGGGCCAGGAAAGGCCCTGTAAAGCCCAAGTGGTGT 1140
 QY 1141 CCCTCGAGGGCGAGTCCAGTCCAGGAAAGACTCCAGGAGAGC 1200
 Db 1141 CCCTCGAGGGCGAGTCCAGTCCAGGAAAGACTCCAGGAGAGC 1200
 QY 1201 AACAAAGGAGGAGCAGGGATGCCAGTAACTGACCAACCATGGCCCTCCAGG 1260
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 QY 1261 CAACAGCTGTGCGCTCAAGGGAGGACCGCCCTAGACTGTCGCGCCGCTCCGAG 1320
 Db 1261 CAACAGCTGTGCGCTCAAGGGAGGACCGCCCTAGACTGTCGCGCCGCTCCGAG 1320
 QY 1321 AACTCGAGGAGGCGCTCGCGCTGAGCACCAGGGAGAATGAGGCTTACAG 1380
 Db 1321 AACTCGAGGAGGCGCTCGCGCTGAGCACCAGGGAGAATGAGGCTTACAG 1380
 QY 1321 AACCTCGAGGAGGCGCTCGCGCTGAGCACCAGGGAGAATGAGGCTTACAG 1380
 Db 1321 AACCTCGAGGAGGCGCTCGCGCTGAGCACCAGGGAGAATGAGGCTTACAG 1380

RESULT 2
 US-08-465-590-3
 Sequence 3, Application US/08465590
 ; Patent No. 584770
 ; GENERAL INFORMATION:
 ; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE
 ; NUMBER OF SEQUENCES: 164
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSSEE: LAHIVE & COCKFIELD
 ; STREET: 60 STATE STREET, Suite 510
 ; CITY: BOSTON
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: ASCII (text)
 ; CURRENT APPLICATION NUMBER: US/08/465,590
 ; FILING DATE: 05-JUN-1995
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/238,212
 ; FILING DATE: 02-MAY-1994
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/121,438
 ; FILING DATE: 14-SEP-1993
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/946,233
 ; FILING DATE: 14-SEP-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Paul L.
 ; NAME: Myers, Paul L.
 ; REGISTRATION NUMBER: 35,695

REFERENCE/DOCKET NUMBER: MPG-006C2DV						
TELECOMMUNICATION INFORMATION:						
TELEPHONE: (617) 227-7400						
TELEFAX: (617) 227-5941						
SEQUENCE CHARACTERISTICS:						
LENGTH: 1386 base pairs						
TYPE: nucleic acid						
STRANDEDNESS: double						
TOPOLOGY: linear						
MOLECULE TYPE: cDNA						
FEATURE:						
NAME/KEY: CDS						
LOCATION: 1..1386						
US-08-465-590-3						
Qy	166	AATGTTAAAGTAGAGACTCAAGTGTAGTAAGAAGAAATGGCCTGCGTGAATGGA	225	0;	Score 99.4%; Score 1386; DB 1; Length 1386;	0;
Matches	1386;	Local Similarity	100.0%	Pred. No.	1.3e-311;	
Db	1	AATGTTAAAGTAGAGACTCAAGTGTAGTAAGAAGAAATGGCCTGCGTGAATGGA	60	0;	Mismatches	0;
Qy	226	GAAGATGTGGGAGGATTACGAATGCTATGGCTCGGGAGAGAAAATGATGGCTC	285	0;	Indels	0;
Db	61	GAAGATGTGGGAGGATTACGAATGCTATGGCTCGGGAGAGAAAATGATGGCTC	120	0;	Gaps	0;
Qy	286	CACAGGGACCAAGGGAGCTGGCTTGTGGGAGTTGGAGCATTCAGTTCAGTTC	345	0;		
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Qy	346	AAACTAAAGTGTGATACTGGGATCAATTGGCATGGCCAAATGTGCTCATGGTTCAC	405	0;		
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Db	361	CACCTCTGCAACTACAGCTGTCGGCGGGAGGACGCCCTCACTGGCCACCTGGAGC	420	0;		
Qy	586	TCTGGTTGTAACCTCACAATGGGATTAACAGCACAGTGAATGGCAGAGCCCTGGC	705	0;		
Db	421	TCTGGTTGTAACCTCACAATGGGATTAACAGCACAGTGAATGGCAGAGCCCTGGC	645	0;		
Qy	706	CTGTGACCCAGCTCATTAAAGAAAACTAAGCACAGTGAATGGCAGAGCCCTGGCA	765	0;		
Db	541	CTGTGACCCAGCTCATTAAAGAAAACTAAGCACAGTGAATGGCAGAGCCCTGGCA	600	0;		
Qy	646	TAGAGGAACATAAGGGCTCGCCACACTACTGGAAAGCTATAAACAGCGACGCT	825	0;		
Db	481	TAGAGGAACATAAGGGCTCGCCACACTACTGGAAAGCTATAAACAGCGACGCT	540	0;		
Qy	766	AGCTCTATGCGCTTCAGAAAATTCCTGGGACAGACTGCAAGTAATGCGCCAAACG	885	0;		
Db	601	AGCTCTATGCGCTTCAGAAAATTCCTGGGACAGACTGCAAGTAATGCGCCAAACG	660	0;		
Qy	826	AGCTCTATGCGCTTCAGAAAATTCCTGGGACAGACTGCAAGTAATGCGCCAAACG	945	0;		
Db	661	AGCTCTATGCGCTTCAGAAAATTCCTGGGACAGACTGCAAGTAATGCGCCAAACG	720	0;		
Qy	886	GCCAGCTGACCAAGGAGAAAGGAAATGTGAGATGGCAGACACTGCAAAATGCGC	780	0;		
Db	721	GCCAGCTGACCAAGGAGAAATGTGAGATGGCAGACACTGCAAAATGCGC	885	0;		

Qy	946	AACGCCATCAACTCAACTCTGGGGCCGAGTCTGCCCCGAGTGGAGACGCCCGGGC 1005	
Db	781	AACGCCATCAACTCAACTCTGGGGCCGAGTCTGCCCCGAGTGGAGACGCCCGGGC 840	
Qy	1006	GSTTCCGAGTGGTCCGGTICATAGCCCCATGTACAGCTGACAGGCGCTGGAGGGC 1065	
Db	B41	GFTTCCGAGTGGTCCGGTICATAGCCCCATGTACAGCTGACAGGCGCTGGAGGGC 900	
Qy	1066	ACCCGGTCAACCAACTCTGGCCGAGACAGCCGAGTGGAGTACCTGCTGCTCTCC 1125	
Db	901	ACCCGGTCAACCAACTCTGGCCGAGACAGCCGAGTGGAGTACCTGCTGCTCTCC 960	
Qy	1126	AAGGCCAAGTGGCCCTGGAGGGGGTCCCGAGCAACAGCTGCCAACACTGGCTCC 1185	
Db	961	AAGGCCAAGTGGCCCTGGAGGGGTCCCGAGCAACAGCTGCCAACACTGGCTCC 1020	
Qy	1186	ACGGACACCAGGAGCAACAGGGAGAACCGGGAGGAGCGAGGGCTCATGACCAACCAC 1245	
Db	1021	ACGGACACCAGGAGCAACAGGGAGAACCGGGAGGAGCGAGGGCTTATCATGCCAACAC 1080	
Qy	1246	ATGCCCGAGCGCAACAGGGAGAACCGGGAGGAGCGAGGGCTTATCATGCCAACAC 1305	
Db	1081	ATGCCCGAGCGCAACAGGGAGAACCGGGAGGAGCGAGGGCTTATCATGCCAACAC 1140	
Qy	1306	CGGCCCCCTCCGAGAACACTCGCAGGAGCAACTGGGGGGTCCGGCTGGTCAAGC 1365	
Db	1141	CGGGCCCCCTCCGAGAACACTGGGGGGTCCGGCTGGTCAAGCAGGGGGAGCAG 1200	
Qy	1366	ATGAAAGTGTACAGTGGCAACACTGGGGGGTCCGGCTGGTCAAGTCATGTAACAC 1425	
Db	1201	ATGAAAGTGTACAGTGGCAACACTGGGGGGTCCGGCTGGTCAAGTCATGTAACAC 1260	
Qy	1426	ATCCACATGGCTGGCAAGTGGCAACACTGGGGGGTCCGGCTGGTCAAGTCATGTAACAC 1485	
Db	1261	ATCCACATGGCTGGCAAGTGGCAACACTGGGGGGTCCGGCTGGTCAAGTCATGTAACAC 1320	
Qy	1486	AGCCAGGACCGGTACCGTTCTGTGACATAACGGAGGGAGCACCATGCTACATG 1545	
Db	1321	AGCCAGGACCGGTACCGTTCTGTGACATAACGGAGGGAGCACCATGCTACATG 1380	
Qy	1546	AGCPAA 1551	
Db	1381	AGCPAA 1386	
RESULT 3			
US-08-283-300A-2			
; Sequence 2, Application US/08283300A			
; Patent No. 6172278			
; GENERAL INFORMATION:			
; APPLICANT: Georgopoulos, Katalin A.			
; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS			
; NUMBER OF SEQUENCES: 26			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: LAHIVE & COCKFIELD			
; STREET: 60 STATE STREET, Suite 510			
; CITY: BOSTON			
; STATE: MASSACHUSETTS			
; COUNTRY: USA			
; ZIP: 02109			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: ASCII (text)			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/283,300A			
; FILING DATE:			
; PRIOR APPLICATION DATA:			
; APPLICATION NUMBER: US 08/238,212			
; FILING DATE: 02-MAY-94			
; PRIOR APPLICATION DATA:			

APPLICATION NUMBER: US/08/711-417C
 PRIORITY APPLICATION DATA:
 FILING DATE: 05-SEP-1996
 APPLICATION NUMBER: 08/238,212
 FILING DATE: 02-MAY-1994
 APPLICATION NUMBER: 08/121,438
 FILING DATE: 14-SEP-1993
 APPLICATION NUMBER: 07/946,233
 FILING DATE: 14-SEP-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Myers, Louis P.
 REGISTRATION NUMBER: 35,965
 REFERENCE/DOCKET NUMBER: 10287/007001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 617/542-5070
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1386 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: Coding Sequence
 LOCATION: 1...1383
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-08-711-417C-3

Query Match 89 4%; Score 1386; DB 4; Length 1386;
 Best Local Similarity 100.0%; Pred. No. 1.3e-11;
 Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 166 AATGTTAAGTAGAGACTGAGCTGATGAAAGAGAAATGGCTGCTGAAATGATGGG 225
 Db 1 AATGTTAAGTAGAGACTGAGCTGAGCTGATGAAAGAGAAATGGCTGCTGAAATGATGGG 60
 Qy 226 GAAAGATGTCGGAGGATTAACTGAAATGCTGATGCTCGGGAGAAAATGAAATGGCTTC 285
 Db 61 GAAAGATGTCGGAGGATTAACTGAAATGCTGATGCTCGGGAGAAAATGAAATGGCTTC 120
 Qy 286 CAAAGGGCAAGGACCTCGGCCTTGTGGGAGTTGGGCAATTCGACTTCCTAACGGA 345
 Db 121 CAAAGGGCAAGGACCTCGGCCTTGTGGGAGTTGGGCAATTCGACTTCCTAACGGA 180
 Qy 346 AAACAAATGTGGATATCTGTGGATCATTTGCAATGGCTCATGGTTCAAC 405
 Db 181 AAACAAATGTGGATATCTGTGGATCATTTGCAATGGCTCATGGTTCAAC 240
 Qy 406 AAAGAAGGCCAACCTGGAAAGCAGGCCCTTCAGTCGAATCGCAGGGCCCTATTCAC 465
 Db 241 AAAGAAGGCCAACCTGGAAAGCAGGCCCTTCAGTCGAATCGCAGGGCCCTATTCAC 300
 Qy 466 CAAAGGGCAACTCTGCTCCGGCACATCAAGCTGGATTTCGGGAGAACCTAACGGA 525
 Db 301 CAAAGGGCAACTCTGCTCCGGCACATCAAGCTGGATTTCGGGAGAACCTAACGGA 360
 Qy 526 CACCTCTGCAACTACGCCCTCGGGAGGGACCCCTCACTGGCCACCTGGAGGAGC 85
 Db 361 CACCTCTGCAACTACGCCCTCGGGAGGGACCCCTCACTGGCCACCTGGAGGAGC 420
 Qy 586 TCCGTTGGTAACCTCACAAATGTGGATATTGGCGGAAGCTATAACAGGAAGGTCT 645
 Db 421 TCCGTTGGTAACCTCACAAATGTGGATATTGGCGGAAGCTATAACAGGAAGGTCT 480
 Qy 646 TTAGAGGAACATAAGGGCTGCACAACTACTTGGAAAGCATGGCCCTTCGGGCACA 705
 Db 481 TTAGAGGAACATAAGGGCTGCACAACTACTTGGAAAGCATGGCCCTTCGGGCACA 540
 Qy 706 CTGTACCCAGTCATTAAGGAACACTAGCAAGCTGAATGGCAAGAGCTGTGCAAG 765

RESULT 5
 PCT-US95-09345-2
 Sequence 2, Application PC/TUS9509345
 GENERAL INFORMATION:
 APPLICANT: Georgopoulos, Katia A.
 TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS
 NUMBER OF SEQUENCES: 26
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 STATE STREET, Suite 510
 CITY: BOSTON
 STATE: MASSACHUSETTS
 ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII (text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/09345

FILING DATE: 02-MAY-94

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/283,300

FILING DATE: 14-SEP-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/946,233

FILING DATE: 14-SEP-1992

ATTORNEY/AGENT INFORMATION:

NAME: Myers, Paul L.

REGISTRATION NUMBER: 35,695

REFERENCE/DOCKET NUMBER: MGP-027PC

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)227-5941

SEQUENCE CHARACTERISTICS:

SEQUENCE ID NO: 2:

LENGTH: 1386; Score 1386; DB 5; Length 1386;

Best Local Similarity 100.0%; Pred. No. 1.3e-311;

Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query Match 89.4%; Score 1386; DB 5; Length 1386;

1 AATGTTAAAGTAGAGACTCAGACTGATGTAAGAATGAAATGAAATGG 60

226 GAAAGATGCGGAGGATTAGAAATGCTTGAATGGCTGCTGTGAAATGG 225

61 GAAAGATGCGGAGGATTAGAAATGCTTGAATGGCTGCTGTGAAATGG 120

346 AACTAAAGTGATGATCTGTTGGATCATTTGCAATGGCTGTTCAAC 405

181 AAACATAAAGTGATATCTGGATCATTTGCAATGGCTGTTCAAC 240

406 AAAAGAGCAACCTGGAAACGGCCCTTCAGTGCAATCATGGCTCATC 465

241 AAAAGAGCAACCTGGAAACGGCCCTTCAGTGCAATCATGGCTCATC 300

466 CAGAAGGGCAACGGCAACCTGGCAATCAAGCTGGATGGGGCAATGG 525

301 CAGAAGGGCAACCTGGCAATGGCCAAATGGCTGTTCAATGGCTCATC 360

526 CACCTCTGCAACTGCGCTCGCCACCTGGCAACCTGGGGCAC 585

361 CACCTCTGCAACTGCGCTCGCCACCTGGCAACCTGGGGCAC 420

586 TCCGTTGGTAAACCTCACAAATGTCGATATGTGGCCGAGCTATAAACAGGAAACGCT 645

Db 421 TCCGTTGGTAAACCTCACAAATGTCGATATGTGGCCGAGCTATAAACAGGAAACGCT 480

Qy 646 TTAGGAAACATAAAGGGCTGCCAACACTTGGAAAGCATGGCTTCGGGACA 705

Db 481 TTAGGAAACATAAAGGGCTGCCAACACTTGGAAAGCATGGCTTCGGGACA 540

Qy 706 CTGTACCCATGCTTAAAGAGAAACTAACAGTGAAATGGCAAGAACCTGTGCAAG 765

Db 541 CTGTACCCATGCTTAAAGAGAAACTAACAGTGAAATGGCAAGAACCTGTGCAAG 600

Qy 766 ATAGGATCAGAGAGATCTCGTGTGGACAGACTAGCAAGTAATGTGCCAAGCTGAAG 825

Db 601 ATAGGATCAGAGATCTCGTGTGGACAGACTAGCAAGTAATGTGCCAAGCTGAAG 660

Qy 826 AGCTCTATGCCCTCGAAATTTCTGGGACAAAGGGCTCTGCGACAGCCTGGGCA 885

Db 661 AGCTCTATGCCCTCGAAATTTCTGGGACAAAGGGCTCTGCGACAGCCTGGGCA 720

Qy 886 GCCACGTAGAGAGAGAGCAAAATGATAAGTCCACCTGATGACCAAGCTAAC 945

Db 721 GCCACGTAGAGAGAGAGCAAAATGATAAGTCCACCTGATGACCAAGCTAAC 780

Qy 946 AACGCCATOAATACCTGGGGGAGCTCTGGCGCCAGCTGGCGACAGCCTGGGCA 1005

Db 781 AACGCCATOAATACCTGGGGGAGCTCTGGCGCCAGCTGGCGACAGCCTGGGCA 840

Qy 1006 GGTTTCGAGGTGGTGGCCGAGCTCTGGCGCCAGCTGGCGACAGCCTGGGCA 1065

Db 841 GGTTTCGAGGTGGTGGCCGAGCTCTGGCGCCAGCTGGCGACAGCCTGGGCA 900

Qy 1066 ACCCGCGCTTCAACCACCTGGCCAGAAAGCAGCTGGCGCTGGCGACAGCCTGGGCA 1125

Db 901 ACCCGCGCTTCAACCACCTGGCCAGAAAGCAGCTGGCGCTGGCGACAGCCTGGGCA 960

Qy 1126 AAGGCCAAGTTGGGCGCCCTGGACGCGGAGGGCTCTGGCGACAGCCTGGGCA 1185

Db 961 AAGGCCAAGTTGGGCGCCCTGGACGCGGAGGGCTCTGGCGACAGCCTGGGCA 1020

Qy 1186 ACGGACACGGAGAGAAACACAGGAGGAAACACAGGAGGAAACACAGGAGGAAAC 1245

Db 1021 ACGGACACGGAGAGAAACACAGGAGGAAACACAGGAGGAAACACAGGAGGAAAC 1080

Qy 1246 ATCGCCGAGCGCCGCAAGCGTGTGCAAGGGAGCACGGGCTCGCTG 1305

Db 1081 ATCGCCGAGCGCCGCAAGCGTGTGCAAGGGAGCACGGGCTCGCTG 1140

Qy 1366 ATGAAAGSTGTAAAGTGAAACTCGGGGTGCTCTGCTGATGTCATGTCATC 1425

Db 1201 ATGAAAGSTGTAAAGTGAAACTCGGGGTGCTCTGCTGATGTCATGTCATC 1260

Qy 1426 ATCCACATGGGTGCAAGGGTCCGGTCTCGGATGCAAGGGGCTACAC 1485

Db 1261 ATCCACATGGGTGCAAGGGTCTCGGATGCAAGGGGCTACAC 1320

Qy 1546 AGCTAA 1551

Db 1381 AGCTAA 1386

RESULT 6
PCT-1159-08743-3
; Sequence 3, Application PC/TUS9308743
; GENERAL INFORMATION:
; APPLICANT:

TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE
 NUMBER OF SEQUENCES: 152
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/08743
 PRIORITY APPLICATION DATA:
 FILING DATE: 14-SEP-1992
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1611 base pairs
 TYPE: nucleic acid pairs
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..1611
 PCT-US93-08743-3

Query Match 89.18; Score 1382.4; DB 5; Length 1611;
 Best Local Similarity 99.6%; Pred. No. 9.5e-311; Mismatches 0; Indels 0; Gaps 0;
 Matches 1386; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY	160	GGCGAGTAATGTTAAAGTAGAGACTCAGAGTGTGAAGAGAAATGGGCGTGCCTGTGAATG 219	Db	160	GGCGAGTAATGTTAAAGTAGAGACTCAGAGTGTGAAGAGAAATGGGCGTGCCTGTGAATG 219
QY	217	GCGAGTAAATGTTAAGTAGAGCTTACAGAGTGTGAAGAGAAATGGGCGTGCCTGTGAATG 276	Db	217	GCGAGTAAATGTTAAGTAGAGCTTACAGAGTGTGAAGAGAAATGGGCGTGCCTGTGAATG 276
QY	220	ATGGGGAAAGAATGTTGGGAGGATTACAGAAAGCTCTGATGCCTCGGGAGAAATGAAATGAAATG 279	Db	220	ATGGGGAAAGAATGTTGGGAGGATTACAGAAAGCTCTGATGCCTCGGGAGAAATGAAATGAAATG 279
QY	277	ATGGGGAAAGAATGTTGGGAGGATTACAGAAAGCTCTGATGCCTCGGGAGAAATGAAATGAAATG 336	Db	277	ATGGGGAAAGAATGTTGGGAGGATTACAGAAAGCTCTGATGCCTCGGGAGAAATGAAATGAAATG 336
QY	280	GGTCCCCACAGGCCAACAGGCCAACCTCGGCTTGGGAGTTGGGAGCTTGACTCTCC 339	Db	280	GGTCCCCACAGGCCAACAGGCCAACCTCGGCTTGGGAGTTGGGAGCTTGACTCTCC 339
Db	337	GGTCCCCACAGGCCAACAGGCCAACCTCGGCTTGGGAGTTGGGAGCTTGACTCTCC 396	Db	337	GGTCCCCACAGGCCAACAGGCCAACCTCGGCTTGGGAGTTGGGAGCTTGACTCTCC 396
QY	340	AAGGAAAAACTAAAGTGTGATATCTGTGGGATCATTGTGCCCAATGTGTCTCATG 399	Db	340	AAGGAAAAACTAAAGTGTGATATCTGTGGGATCATTGTGCCCAATGTGTCTCATG 399
Db	397	AAGGAAAAACTAAAGTGTGATATCTGTGGGATCATTGTGCCCAATGTGTCTCATG 456	Db	397	AAGGAAAAACTAAAGTGTGATATCTGTGGGATCATTGTGCCCAATGTGTCTCATG 456
QY	400	GTTCACAAAAGGAGCCACACTGGAGAACGGCCTTCAGTCAATCACTGGGCCCTCA 459	Db	400	GTTCACAAAAGGAGCCACACTGGAGAACGGCCTTCAGTCAATCACTGGGCCCTCA 459
Db	457	GTTCACAAAAGGAGCCACACTGGAGAACGGCCTTCAGTCAATCACTGGGCCCTCA 516	Db	457	GTTCACAAAAGGAGCCACACTGGAGAACGGCCTTCAGTCAATCACTGGGCCCTCA 516
QY	460	TTCACCCAGAAGGGCACCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 519	Db	460	TTCACCCAGAAGGGCACCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 519
Db	517	TTCACCCAGAAGGGCACCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 576	Db	517	TTCACCCAGAAGGGCACCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 576
QY	520	ATATGCCACCTCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 579	Db	520	ATATGCCACCTCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 579
Db	577	ATATGCCACCTCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 636	Db	577	ATATGCCACCTCTGCAACTAGCTGGGCAATCACTGGGCAATCTGGG 636
QY	580	AGGCACACTCCGTTGGTAACCTCACAATGTTGGATATTGGCGAACAGCTTAACAGCGCA 639	Db	580	AGGCACACTCCGTTGGTAACCTCACAATGTTGGATATTGGCGAACAGCTTAACAGCGCA 639
Db	637	AGGCACACTCCGTTGGTAACCTCACAATGTTGGATATTGGCGAACAGCTTAACAGCGCA 696	Db	637	AGGCACACTCCGTTGGTAACCTCACAATGTTGGATATTGGCGAACAGCTTAACAGCGCA 696
QY	640	AGCTCTTGTAGAGAACATAAGAGGCCAACCTGGCGAACAGCTTAACAGCGCA 699	Db	640	AGCTCTTGTAGAGAACATAAGAGGCCAACCTGGCGAACAGCTTAACAGCGCA 699
Db	697	AGCTCTTGTAGAGAACATAAGAGGCCAACCTGGCGAACAGCTTAACAGCGCA 756	Db	697	AGCTCTTGTAGAGAACATAAGAGGCCAACCTGGCGAACAGCTTAACAGCGCA 756
QY	700	GGCACACACTGGCCACTTGGGCAATCACTGGGCAATCTGGG 759	Db	700	GGCACACACTGGCCACTTGGGCAATCACTGGGCAATCTGGG 759
Db	757	GGCACACACTGGCCACTTGGGCAATCACTGGGCAATCTGGG 816	Db	757	GGCACACACTGGCCACTTGGGCAATCACTGGGCAATCTGGG 816
QY	760	TGCAAGATAGGATCAGAGAGATCTCTGTCGGACAGACTAACGTAATGTGCCAAA 819	Db	760	TGCAAGATAGGATCAGAGAGATCTCTGTCGGACAGACTAACGTAATGTGCCAAA 819

RESULT 7
 US-08-465-590-5
 Sequence 5, Application US/08465590
 ; Patent No. 5924770
 ; GENERAL INFORMATION:
 ; APPLICANT: Georgopoulos, Katia A.
 ; TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE
 ; NUMBER OF SEQUENCES: 164
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD
 ; STREET: 60 STATE STREET, Suite 510
 ; CITY: BOSTON
 ; STATE: MASSACHUSETTS
 ; COUNTY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM: Floppy disk
 ; MEDIUM TYPE: Floppy disk

RESULT 8
 US-08-283-300A.4
 ; Sequence 4, Application US/08283300A
 ; Patent No. 6172778
 ; GENERAL INFORMATION:
 ; APPLICANT: Georgopoulos, Katia A.
 ; TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS
 ; NUMBER OF SEQUENCES: 26
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: LAHIVE & COCKFIELD
 ; STREET: 60 STATE STREET, Suite 510
 ; CITY: BOSTON
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 02109
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: ASCII (text)
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/283, 300A
 ; FILING DATE:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/238, 212
 ; FILING DATE: 02-MAY-94
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/121, 438
 ; FILING DATE: 14-SEP-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/946, 233
 ; FILING DATE: 14-SEP-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Paul L.
 ; REGISTRATION NUMBER: 35, 695
 ; REFERENCE/DOCKET NUMBER: MGP-027
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617)227-7400
 ; TELEFAX: (617)227-5941
 ; INFORMATION FOR SEQ ID NO: 4:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2049 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 223..1776
 ; US-08-283-300A-4

Query 241 GATTTACGAATGCTTGTATGCCCTGGAGAAATGAAATGGCTCCACAGGGACCAAGGC 300
 Db 463 GATTACGAATGCTTGTATGCCCTGGAGAAATGAAATGGCTCCACAGGGACCAAGGC 522
 Query 301 AGCTGGCTTGTGGAGTGGGGAGCTGGGAGGATTCAGTGGAAATAATAAGTGTAT 360
 Db 523 AGCTGGCTTGTGGAGTGGGGAGGATTCAGTGGAAATAATAAGTGTAT 582
 Query 361 ATCTGTGGATCATGGATCTGGCCCATATGTGCTATGGTCAAAAGAACCT 420
 Db 583 ATCTGTGGATCATGGCCATGGGCAATGTGTTCATGGTCAAAAGAACCT 642
 Query 421 GGAGAAGGGCCCTTCAGTGCATTCAGGGCCCTCATTCACCCAGAAGGGCAACTG 480
 Db 643 GGTAACGGCTTTCAGGCAACAGCTGGGCTTCCTTACCCAAAGGCAACTC 702
 Query 481 CTCGGCACATCAAGCTGATTCGGGGAGAAAGCCCTTCAAATGCCACCTCTGCAACTAC 540
 Db 703 CTGGCACATCAAGCTGACTCGGTGAGAACCCCTCAATGCCACCTCTGCAACTAT 762
 Query 541 GCGCGCCGGGGAGGGAGGCCCTCACTGGCACCTGAGGAGCAGCTGGTGGTAACCT 600
 Db 763 GCGCGCCGGGGAGGCCCTCACTGGCACCTGAGGAGCAGCTGGTGGTAACCT 822
 Query 601 CACAATGGATAATTGGGCCAAGCTATAAACGGAAACGCTTATAGGAACATAA 660
 Db 823 CACAATGGATAATTGGGCCAAGCTATAAACGGAAACGCTTATAGGAACATAA 882
 Query 661 GAGCGTGGCACACTACTTGGAAAGGCATGGGCCTTCGGGCACACCTGTACCCAGTCATT 720
 Db 883 GAGGGATGCCACACTACTTGGAAAGGCATGGGCCTTCGGGC---GTTGGCCAGTCATT 939
 Query 721 AAAGAAGAAACTAAGCAGACTAAATGGAGAACCTGTCAAGATAGGTTCAGAGA 780
 Db 940 AAAGAAGAAACTAACCAACGAGATGGCAGAACGACTGTGCAAGATAGGTCAAGAGG 999
 Query 781 TCTCTCGGCTGGACACTAGCTGGACAGACTAGCTGGCAAACTTAAGCTPATGCTCTAG 840
 Db 1000 TCCCTTGCTGGACAGCTGCTGSCAAAGCTAAGCTTAAGCTPATGCTCTAG 1059
 Query 841 AAATTCTGGGACAGGGCTGTGGACAGGCCCTAGCAGTCCACGTGAGCTATGCCCTAG 900
 Db 1060 AAATTCTGGGACAGCTGGCAAACTTAAGCTPATGCTCTAG 1119
 Query 901 GAGAACGAAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 960
 Db 1120 GAG---GATATGATGATCCTACGTTGATGATGATGATGATGATGATGATGATG 1176
 Query 961 CTGGGGCGAGCTCTGGCCAGGGCTGTGGACAGGCCCTAGCAGTGGCCCTAGTGGCC 1020
 Db 1177 CTGGGGCGAGCTCTGGCCAGGGCTGTGGACAGGCCCTAGCAGTGGCCCTAGTGGCC 1236
 Query 1021 CCGGTATCAGCCGATGTCAGCTGGCTGAGCTCCGGCTAGCTGGCTCC 1077
 Db 1237 CCAGTCATCAGTCCTAGTACCGTGCAGAAGGCCCTAGTGGCCCTAGTGGCC 1353
 Query 1078 AACACTGGCCGAGCTGGCCAGACGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1137
 Db 1297 AACATTCAAGCAGAGA---CCGGTGGATAACTGTGTGTGTGTGTGTGTGT 1296
 Query 1138 GTGCCCTGGAGGCCAGGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 1197
 Db 1354 GTGTATCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1413
 Query 1198 AGCAAAACGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1257
 Db 1414 AGCAAGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1473
 Query 1258 GCGC ---AACGGTGTGGCTAACGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1314
 Db 1474 GCACGCCATTGGCGCTGGCTAACGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1533

RESULT 9
 US-08-711-417c-5
 Sequence 5, Application US/08711417C
 ; Patent No. 6228611
 ; NUMBER OF SEQUENCES: 202
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Fish & Richardson P.C.
 ; STREET: 225 Franklin Street
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: USA
 ; ZIP: 02110-2804
 ; COMPUTER READABLE FORM:
 ; COMPUTER: IBM Compatible
 ; MEDIUM: Diskette
 ; OPERATING SYSTEM: Windows 95
 ; SOFTWARE: PASESO For Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/711,417C
 ; FILING DATE: 05-Sep-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 08/238,212
 ; FILING DATE: 02-MAY-1994
 ; APPLICATION NUMBER: 08/121,438
 ; FILING DATE: 14-SEP-1993
 ; APPLICATION NUMBER: 07/946,233
 ; FILING DATE: 14-SEP-1992
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Myers, Louis P.
 ; REGISTRATION NUMBER: 35,965
 ; REFERENCE/DOCKET NUMBER: 10287/007001
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 617/542-3070
 ; TELEX: 200154
 ; INFORMATION FOR SEQ ID NO: 5:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2049 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; FEATURE:
 ; NAME/KEY: Coding Sequence
 ; LOCATION: 223...1776
 ; DESCRIPTION: SEQ ID NO: 5:
 ; US-08-711-417c-5

Query Match 75.7%; Score 1174.8; DB 4; Length 2049;
 Best Local Similarity 87.2%; Pre. No. 9.5e-263;
 Matches 1355; Conservative 0; Mismatches 177; Indels 24; Gaps 6;

Qy 1315 TCCGAGAACTGGCAGGACGCCCTCGCGTGTCTAGCACCAGGGGAGGATGAGGGT 1374
 Db 1534 TCAAGAACTCCAGATGCCCTCGCGTGTCTAGCACCAGGGTGAAGTG 1593
 Qy 1375 TACAATGCGAACACTGGGATCAGCTGGGTCTTCCTGGATCACSTACCATG 1434
 Db 1594 TACAATGCGAACACTGGGATCAGCTGGGTCTTCCTGGATCACATCACATG 1653
 Qy 1435 -----GGTGCACGGAACACTGGGATCAGCTGGGTCTTCCTGGATCACATG 1495
 Db 1654 GGCTGCATGGTGCATGGGATCCCTTGAGTGAACATGGTTATCAC 1713
 Qy 1486 AGCCAGGACGGTACGAGTTCTCGTGCACATAACCGAGGGAGCCCTCCACATG 1545
 Db 1714 AGCAGGACGGTACGAGTTCTCGTGCACATAACCGAGGGAGCCCTACACUT 1773

Qy 1546 AGCTAA 1551
 Db 1774 AGCTAA 1779

Qy 181 ACTCAGAGTGTGAAAGAGAAATGGGGAGAATGTGGGAG 240
 Db 403 ACTCAGAGTGTGAAATGGGGAGAATGTGGGAGAATGTGZAG 462
 Qy 241 GATTACGATGCTGATGCTGCGTCAAGAGGAAATGATGGTCCACAGGC 300
 Qy 463 GATTACGATGCTGATGCTGCGTCAAGAGGAAATGATGGTCCACAGGC 522
 Db 501 AGCTCGGCTTGTGGGATTCGACTTGGTCAAGGGTCAAAAGGCCACT 360
 Qy 583 ATCCTGGGATCAGAAATGGCTCTGGGAAATCTAACGAAACTAAAGTGTAT 582
 Db 523 AGCTCGGCTTGTGGGATTCGACTTGGTCAAGGGAAATCTAACGAAACTAAAGTGTAT 582
 Qy 361 ATCCTGGGATCATTGGTCAAGGGTCAAGGGTCAAAAGGCCACT 420
 Db 582 ATCCTGGGATCAGAAATGGCTCTGGGAAATCTAACGAAACTAAAGTGTAT 642
 Qy 421 GGAGAACGGCCCTCCAGTCAAGTGGGGCTTCAATCACCAGAAGGGCAACTG 480
 Db 643 GGTGAAAGGGCTTCCAGTCAACGGTCACTGGGCAACTTGGGCAACTC 702
 Qy 481 CTCCGGCACATCAAGCTGATTCGGGAGAAGGCCCTCAATGCCACTCTGCAACTAC 540
 Db 703 CTGGCGCACATCAACCTGCACTGGTCAAGGGCTTCAATGCCACTCTGCAACTAC 762
 Qy 541 GCCTGGCGGGCCCTACTGGCACCTGAGGCACTCGTGTGTAAACCT 600
 Db 763 GCCTGGCGGGCCCTACGGGCACTGGGAGGGAGGGCAACTCTGCAACTCTGCAACTAC 822
 Qy 601 CACAAATGTGGATTGTGGCAAGCTATAACAGCAGCAGTGTAGGAAACATAAA 660
 Db 823 CACAAATGTGGATTGTGGCAAGCTATAACAGCAGCAGTGTAGGAACTAA 882
 Qy 661 GAGCGCTGCCACAACATCTGGAAAGCATGGGCTTCGGGCAACTGTAACCTCTGCAACTCTGCAACTAC 720
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 Db 1000 TCCCTCTTCCTGGACAGCTTCCTGGGACAGGGCTGTGGCAAGTAAAGCAGCTATGCCTCAG 1059
 Qy 841 AAATTTTGTGGACAGGGCTGTGGCAAGCAGCTGGCAAGTAAAGCAGCTATGCCTCAG 1020
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 Qy 901 GAGAACCAAATGAGTGGTGGACAGCTTCCTGGGAGGGCTGTGGCAAGTAAAGCAGCTATGCCTCAG 960
 Db 1120 GAG---SATAATGATGACATCCACGTGATGACATGGCCATCACACTAC 1176
 Qy 961 CCGGGGGCCGAGTCCTGGCCGCGTGTGGCAAGCAGCTGGGCGGGTTCGGAGGTGTG 1020
 Db 1177 CCGGGGGCTGAGTCCTCCGGCCCATTTGGTGAAGACACCCGGTAGCTCGAGGTGTG 1236
 Qy 1021 CCGGTCAATCAGCCGATGCTACAGGTACAGG - - - CGCTGGAGGGCACCCGGCTTC 1077

Qy	721	AAAGAGAAACTAACAGCACAGTAGAATGCGAAAGCCCTGCAAGATAAGGATAGAGAGAGA	780
Qy	940	AAGGGAAACTAACAGAACAGTAGTGGCAAGAACAGCTATGCGAAAGCCCTGCAAGATAAGGAGG	999
Db	781	TCTCTGCTGGAGACAGACTAGAAGTAATGTCGCCAAACGTAAGAGCTATGCTCTAG	840
Db	1000	TCCCTGTCTGGAAAGCTAACAGAACAGTAGTGGCAAGAACAGCTATGCGAAAGCCCTGCAAGATAAGGAGG	1059
Qy	841	AAATTCTTGGGAGAAGGGCTGTGCCAACGCCCTAGACAGTCCACGTTAGAGAGAG	900
Db	1060	AAATTCTTGGAGAACAGTCCGTAGACATGCCCTATGCGCTATGCGAAACTATGAGAG	1119
Qy	901	GAGAAGAAATGATGAGTGGTCCACCTGATGACCAAGCCATCAACAGCCATAACTAC	960
Db	1120	GAG -- GATATGATACATCCACCTGTAGCCACGGCTATCAACAAATGCCATAACTAC	1176
Qy	961	CTGGGGCCGAGTCCCTGGCCGGTGTGTCAGACGCCCGGGGGTTCGAGCTGGT	1020
Db	1177	CTGGGGCTGAGTCCTGTGCCCCATGGTCAGACACCCCGGAGTGGCTGGT	1246
Qy	1021	CGCGTATCAGCCGATGACCGAGGACCCGGCTCCAGGGCAGCTTCAGG	1077
Db	1237	CCAGTCATCAGCTCCATGTCAGGAGCAGCCCTCTAGATGGCCCCAACGGTCC	1296
Qy	1078	AACCACTGGCCCAGAGACAGGGCTGGAGTACCTGCTGTGCTTCAGGGCAGTGTG	1137
Db	1297	AACCAATTAGAACAGAG -- CGCCGTGATAACTTGTGTCGTTCAAGGGCAGTGT	1353
Qy	1138	GTGCCCTCGAGGGAGGGTCCCGAGAACTGCTGCCAAAGACTCCACCGAG	1197
Db	1354	GTGTCATGGAGGGAGGGCTCCCGAGAACAGTCCAGAGATCACAG	1413
Qy	1198	AGCAAACAGGAGGAGCAGCGAGGAGGGCTTATCTACCTGACCAACACATGCCAGCG	1257
Db	1414	AGCAAGCGGGAGGAAACAGCGCAAGCGCCCTATCPACCTAACACATCAACCGCAT	1473
Qy	1258	GCGC -- AACCGGTGCTGCTCAAGGAGGAGCCGGCTTACGACCTGCGCCGCC	1314
Db	1474	GCACGAAATGGCTGCTCTCAAGGAGGAGGGCTTACGAGTGTGCTGAGGGGGCC	1533
Qy	1315	TCCGAGAACCTGCGAGGACGGCTCCGGCTGTGTCAGACCAAGGGAGCATGGT	1374
Db	1534	TCAAGAAGACTGGAGGATGGCTTCCGGTCAAGGAGGAGCTGAGGTG	1593
Qy	1375	TACAATGCGACACTGGCCGGTGTCTTCTGGATCACCTGATGACCATCAGATG	1434
Db	1594	TACAATGCGAACACTGGCGGTCTTCTGGATCACCTGATGACCATCAGATG	1652
Qy	1435	-----GCTGCCAGGGTTCCTGATCTTGTAGTCAATGCGCTACAC	1488
Db	1654	GGCTGCCATGGCTGCTATGGCTTTCGGATCCCTGTGATGATGTTGATCATC	1713
Qy	1486	AGCCAGGACCGGTACAGTCTGTCGACATAACGCCGGAGAACCCGTTCCACATG	1544
Db	1714	AGCCAGGACAGTCTCAACCCATATCACGGGGAGCATCGTACACCTG	1777
Qy	1546	AGCTAA 1551	
Db	1774	AGCTAA 1779	

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STATE: MASSACHUSETTS
CITY: USA
COUNTY: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 04-10000000000000000000000000000000
FILING DATE: 05-JUN-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 04-10000000000000000000000000000000
FILING DATE: 02-MAY-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 04-10000000000000000000000000000000
FILING DATE: 14-SEP-1995
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 04-10000000000000000000000000000000
FILING DATE: 14-SEP-1995
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Paul L.
REGISTRATION NUMBER:
REGISTRATION DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-5959
TELEFAX: (617) 227-5959
INFORMATION FOR SEQ ID NO 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1004 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1002
US-08-465-590-8

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RESULT 13
US-08-711-417C-8
Sequence 8, Application US/08711417C
; Patent No. 6228611
; GENERAL INFORMATION:
; APPLICANT: GEORGOPoulos, Katerina
; TITLE OF INVENTION: IKAROS: A
; NUMBER OF SEQUENCES: 202
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FASTSEQ for Win
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08711417C
; FILING DATE: 05-sep-1996
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/211417C
; FILING DATE: 02-MAY-1994
; APPLICATION NUMBER: 08/1993
; FILING DATE: 14-SEP-1993
; APPLICATION NUMBER: 07/94211417C
; FILING DATE: 14-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Louis P.
; REGISTRATION NUMBER: 35,
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; MERRILL, 20015

RESULT 14
 PCT-US95-09345-7
 | sequence 7, Application PC/TUS9509345
 | GENERAL INFORMATION:
 | | APPLICANT: Georgopoulos, Katerina A.
 | | TITLE OF INVENTION: IKAROS TRANSGENIC CELLS AND ANIMALS
 | | NUMBER OF SEQUENCES: 26
 | | CORRESPONDENCE ADDRESS:
 | | | ADDRESS: LAHIVE & COCKFIELD
 | | | STREET: 60 STATE STREET, SUITE 510
 | | | CITY: BOSTON
 | | | STATE: MASSACHUSETTS
 | | | COUNTRY: USA
 | | ZIP: 02109
 | | COMPUTER READABLE FORM:
 | | MEDIUM TYPE: FLOPPY DISK
 | | COMPUTER: IBM PC compatible
 | | OPERATING SYSTEM: PC-DOS/MS-DOS
 | | SOFTWARE: ASCII (text)
 | | CURRENT APPLICATION DATA:
 | | | APPLICATION NUMBER: PCT/US95/09345
 | | | FILING DATE:
 | | | | PRIORITY APPLICATION DATA:
 | | | | | APPLICATION NUMBER: US 08/283,300
 | | | | | FILING DATE: 29-JULY-94
 | | | | | PRIORITY APPLICATION DATA:
 | | | | | | APPLICATION NUMBER: US 08/238,212
 | | | | | | FILING DATE: 02-MAY-94
 | | | | | PRIORITY APPLICATION DATA:
 | | | | | | APPLICATION NUMBER: US 08/121,438
 | | | | | | FILING DATE: 14-SEP-1993
 | | | | | PRIORITY APPLICATION DATA:
 | | | | | | APPLICATION NUMBER: US 07/946,233
 | | | | | | FILING DATE: 14-SEP-1992
 | | | | | | ATTORNEY/AGENT INFORMATION:
 | | | | | | NAME: Myers, Paul L.
 | | | | | | REGISTRATION NUMBER: 35,695
 | | | | | | RECOMMENDATION NUMBER: MGP-027PC
 | | | | | | TELECOMMUNICATION INFORMATION:
 | | | | | | | TELEPHONE: (617)227-7400
 | | | | | | | TELEFAX: (617)227-5941
 | | | | | | INFORMATION FOR SEQ ID NO: 7:
 | | | | | | SEQUENCE CHARACTERISTICS:
 | | | | | | LENGTH: 1004 base pairs
 | | | | | | TYPE: nucleic acid
 | | | | | | SPANDEVENESS: single
 | | | | | | TOPOLOGY: linear
 | | | | | | MOLECULE TYPE: cDNA
 | | | | | | FEATURE:
 | | | | | | NAME/KEY: CDS
 | | | | | | LOCATION: 1..1004

PCT-US95-09345-7

Query Match 56.0%; Score 868; DB 5; Length 1004;
 Best Local Similarity 88.8%; Pred. No. 6, 3e-192;
 Matches 1004; Conservative 0; Mismatches 0; Indels 126; Gaps 1;

Qy 1321 AACTCGCAGGAACTGGCGTCGCGTCTCCAGCACCGGGACAGATGAAAGTTGTAAG 1380
 Db 775 AACTCGCAGGAACTGGCGTCGCGTCTCCAGCACCGGGACAGATGAAAGTTGTAAG 834
 Qy 1381 TCGAACACTGGGGTGCCTCTCCCTGGATCACGTCATGTCACCCACATGGGGCTCCGAG 1440
 Db 835 TCGAACACTGGGGGCTCTCCCTGGATCACGTCATGTCACCCACATGGGGCTCCGAG 894
 Qy 1441 CACGGCTTCGGGATCCTTTAGTGCACATGTCGGCTACACAGCAGGACCGGTAC 1500
 Db 895 CACGGCTTCGGGATCCTTTAGTGCACATGTCGGCTACACAGCAGGACCGGTAC 954
 Qy 1501 GAGTTCTGTCACAGGAGGACCGCTTCCACATGACCTA 1550
 Db 955 GAGTTCTGTCACAGGAGGACCGCTTCCACATGACCTA 1004
 Qy 169 ----- 168
 Db 169 ----- 168
 Qy 661 GAGCGCTGCCACAACTACTTGGAAAGCATGGGCACACTGTACCCAGTATT 720
 Db 174 ----- -GTCAATT 174
 Qy 721 AAGAAAGAACTAAGCAGTAAATGGAGACCTGTGAAGATGGATCAGAGA 780
 Db 175 AAGAAAGAACTAAGCAGTAAATGGAGACCTGTGAAGATGGATCAGAGA 234
 Qy 781 TCTCTCGTGTGGACAGACTGCAACTAATGTCGCCAAACGTAAGCTCTATGCCCTCAG 840
 Db 235 TCTCTCGTGTGGACAGACTCAAGTATGTCGCCAAACGTAAGCTCTATGCCCTCAG 294
 Qy 841 AAATTTCCTGGGACAAAGGGCTGTCGGACAGCCCTTAAGCAGCTGCGAGAG 900
 Db 295 AAATTTCCTGGGACAGGGCTGTCGGACAGCCCTTAAGCAGCTGCGAGAG 354
 Qy 901 GAGAAACAAATGATGAGTCCACGTGATGGACCAACGCACTAACACGCTCAACTAC 960
 Db 355 GAGAAACAAATGATGAGTCCACGTGATGGACCAACGCACTAACACGCTCAACTAC 414
 Qy 961 CTGGGGCCCGAGTCCCTGGCCCGCTGGTGCAGACGCCGGGGTCTGGAGCTGGTC 1020
 Db 415 CTGGGGCCCGAGTCCCTGGCCCGCTGGTGCAGACGCCGGGGTCTGGAGCTGGTC 474
 Qy 1021 CGGTCATCACCCGATGATCAGGGCTGACGGGCTCAGCCCGCGCTCAC 1080
 Db 475 CGGTCATCACCCGATGATCAGGGCTGACGGGCTCAGCCCGCGCTCAC 534
 Qy 1081 CACTCGCCCGAGACGGCCGGTGGATGACCTCCAGGCAAGTGGTGT 1140
 Db 535 CACTCGCCCGAGACGGCCGGTGGATGACCTCCAGGCAAGTGGTGT 594
 Qy 1141 CCCTCGGAGGCGAGCTGCCGAGCAACGTCGCAAGCTCCAGGAGACCGAGGC 1200
 Db 595 CCCTCGGAGGCGAGCTGCCGAGCAACGTCGCAAGCTCCAGGAGACCGAGGC 654
 Qy 1201 AACAAACGAGGAGGACCGAGCGCTTATCTACCTGACCAACCATCGCCGAGCGCG 1260
 Db 655 AACAAACGAGGAGGACCGAGCGCTTATCTACCTGACCAACCATCGCCGAGCGCG 714
 Qy 1261 CAAACGGGTGCGCTAAGGAGGACCGAGCGCTTATCTACCTGACCAACCATCGCCGAGCGCG 1320
 Db 715 CAAACGGGTGCGCTAAGGAGGACCGAGCGCTTATCTACCTGACCAACCATCGCCGAGCGCG 774
 Qy 1321 AACCTGGAGGACGGCTCCGGTGTGAGCACCAGGGAGAGTGAAGGTGTAAG 1380
 Db 775 AACCTGGAGGACGGCTCCGGTGTGAGCACCAGGGAGAGTGAAGGTGTAAG 834
 Qy 1381 TGGCAGAACACTGGGGCTCTCTGGATCACGTCATGTCACCATGGGTGTC 1440
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DbD	835	TCGGAACACTGGGGCTCTTCTGGATCACGCTATCACATCCACATGGCTGC	894
Qy	1441	CAGGCTCCGATCTTGTGAACTGGGCTACAGCCAGACCGTAC	1500
DbD	895	CAGGCTCCGATCTTGTGAACTGGGCTACAGCCAGACCGTAC	954
Qy	1501	GAGTTCTGTCGACATAACGGAGGGACCCGTTCCACATGAGCTA	1550
DbD	955	GAGTTCTGTCGACATAACGGAGGGACCCGTTCCACATGAGCTA	1004
	RESULT	15	
	US 08-465-590-2	Sequence 2, Application US/08465590	
	Patent No. 584770		
	GENERAL INFORMATION:		
	APPLICANT: GEORGOPoulos, Katerina A.		
	TITLE OF INVENTION: IKAROS: A T CELL PATHWAY REGULATORY GENE		
	NUMBER OF SEQUENCES: 164		
	CORRESPONDENCE ADDRESS:		
	ADDRESSEE: LAHIVE & COCKFIELD		
	STREET: 60 STATE STREET, Suite 510		
	CITY: BOSTON		
	STATE: MASSACHUSETTS		
	COUNTRY: USA		
	ZIP: 02109		
	COMPUTER READABLE FORM:		
	MEDIUM TYPE: Floppy disk		
	COMPUTER: IBM PC compatible		
	OPERATING SYSTEM: PC-DOS/MS-DOS		
	SOFTWARE: ASCII (text)		
	CURRENT APPLICATION DATA:		
	APPLICATION NUMBER: US/08/465,590		
	FILING DATE: 05-JUN-1995		
	PRIOR APPLICATION DATA:		
	APPLICATION NUMBER: US 08/238,212		
	FILING DATE: 02-MAY-1994		
	PRIOR APPLICATION DATA:		
	APPLICATION NUMBER: US 08/121,438		
	FILING DATE: 14-SEP-1993		
	PRIOR APPLICATION DATA:		
	APPLICATION NUMBER: US 07/946,233		
	FILING DATE: 14-SEP-1992		
	ATTORNEY/AGENT INFORMATION:		
	NAME: Myers, Paul L.		
	REGISTRATION NUMBER: 35,695		
	REFERENCE/DOCKET NUMBER: MPG-006C2DV		
	TELECOMMUNICATION INFORMATION:		
	TELEPHONE: (617)227-7400		
	TELEFAX: (617)227-5941		
	INFORMATION FOR SEQ ID NO: 2:		
	SEQUENCE CHARACTERISTICS:		
	LENGTH: 1788 base pairs		
	TYPE: nucleic acid		
	STRANDEDNESS: single		
	TOPOLOGY: linear		
	MOLECULE TYPE: cDNA		
	FEATURE:		
	NAME/KEY: CDS		
	LOCATION: 223..1515		
	US 08-465,590-2		
Qy	417	CATGGAGAACGCCCTTCAGTCATCAACAGGGCAA	476
Db	378	CATGGTGAACGCCCTTCAGTCACAGTCATCAACAGGGCAA	437
Qy	477	CCGCTCCGGACATCAAGCNCATTCCGGGAGAAGCCCTTCACATGCCCTTCAC	536

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Search completed: August 28, 2002, 09:03:45
Job time: 6945 sec

